WIDEX CLEAR™

STAY IN SYNC WITH LIFE

CLEAR 440 • 330 • 220

PRODUCT INFORMATION

WIDEX®

NATURE GAVE US **TWO EARS** DESIGNED TO **WORK TOGETHER**.

WIDEX **CLEAR 440 • 330 • 220**

OUTSTANDING **WIRELESS INTEREAR™** SOLUTIONS

InterEar WidexLink

Reproducing the natural sounds of everyday life is a complicated business.
Widex has developed the technology to do this — building it's reputation
for providing natural and comfortable sound reproduction.
CLEAR440, CLEAR330 and **CLEAR220** hearing instruments reproduce complex, life-like sounds and
deliver them instantaneously and naturally, allowing users to stay in sync with life.

NATURAL SOUND

CLEAR delivers natural sound through the use of proven Widex technology.
Groundbreaking WidexLink wireless connection gives IE (InterEar™) data transmission,
synchronization and audio transmission in real time.

CLEAR440 with TruSound Softener is designed to handle sudden impulse sounds with comfort and clarity
and the IE Speech Enhancer works to single out speakers in noisy environments.

CLEAR440 and **CLEAR330** with Digital Pinna helps locate sounds from any direction.

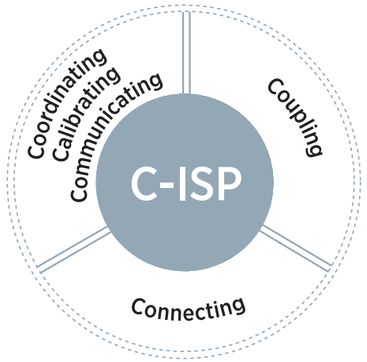
CLEAR220 represents the very best value for money and most advanced technology in this segment.

WIRELESS FITTING

Making fitting easy and convenient has always been part of the Widex commitment to hearing professionals.
CLEAR440, CLEAR330 and **CLEAR220** also provide a completely wireless fitting option
– meaning no tangled cables – making it quicker and easier than ever.

NATURAL SOUND

C-ISP
Our new signal processing platform, C-ISP, combines and manages a series of sound analysis and processing roles for clearer hearing, as well as continually adjusting discrete hearing aid functions both within and between hearing aids. This is called InterEar (IE). It gives an unequalled balance of performance that replicates the natural hearing experience.

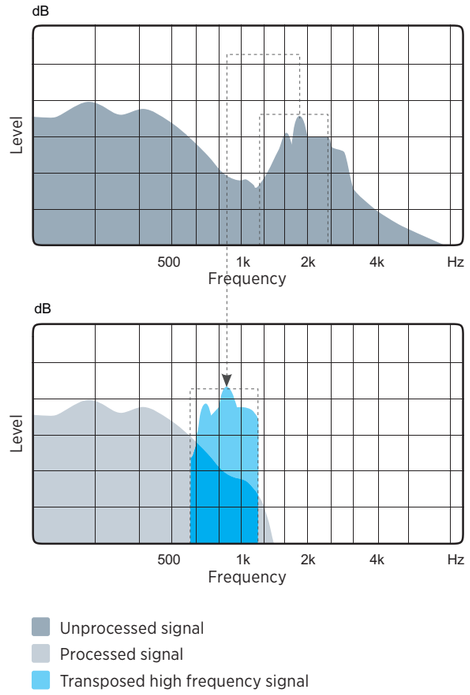


C-ISP ensures inter-aural coupling of the hearing aids. A **CLEAR** hearing aid will perform strongly on its own, and even better as part of a pair. It also allows connectivity to external sound sources such as TV and audio systems.

ClearBand
The ClearBand hi-fi two-way receiver incorporates two separate membranes in one small unit. This new technology provides patients with a broader range of sounds that are exceptionally clear and natural.

Audibility Extender
The well proven Widex Audibility Extender (AE) improves the perception and production of important speech sounds – specifically high frequency sounds.

The detail in speech and environmental sounds are important factors not just for exceptional sound and comfortable listening, but language perception as well. But high-pitched sounds like music and high frequency consonants are often lost as a result of hearing loss. AE automatically transposes such sounds into the user's hearing range giving a fuller sound with more detail.



Audibility Extender
When the Audibility Extender is active, it searches out the most significant high frequency signal and moves it into the audible lower frequency region using linear transposition. Thereby the harmonic content of the sound signal is preserved.

WIRELESS FUNCTIONALITY

WidexLink gives instant connectivity
The exclusive and innovative WidexLink is a wireless, high-speed data transmission technology that allows instant, ongoing communication between hearing aids and direct connection to external audio devices.

WidexLink is the first wireless technology link designed exclusively for hearing aids.

Complete connectivity
WidexLink solves a number of other challenges that have limited the efficiency of hearing aids and accessories – until now.

Transmitting from external sources: WidexLink provides high-speed, direct transmission to external devices such as remote controls, direct TV and mobile phone links.

Longer battery life: It ensures optimal battery efficiency with improved coding algorithms and unique radio receiver technology.

FREEDOM OF CHOICE

Reverse Focus
Widex Reverse Focus is a program where the adaptive locator goes into reverse pointing the directional microphones backwards. This allows users to control the listening direction – enabling them to hear those behind them.

Synchronization
The IE Volume Control and Program Shift gives instant synchronization and keeps both **CLEAR** hearing aids in sync. A changed volume level in one aid is replicated in the second, as is program selection.

SmartSpeak
Widex SmartSpeak takes the guesswork out of controlling the hearing aid. SmartSpeak uses actual recorded speech to tell users about the hearing aid functions. For example, when a battery is running low, SmartSpeak will warn the user. When switching to another program, SmartSpeak will say exactly which program has been chosen.

These clear, simple to hear verbal messages come in a wide variety of languages.

SOUND QUALITY

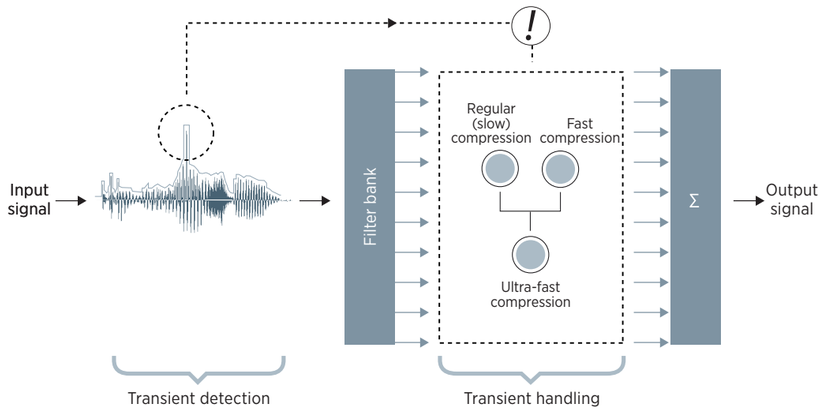
IE Feedback Cancelling – minimizes whistling
Widex hearing aids feature a multidirectional active feedback cancelling system that minimizes whistling. In **CLEAR**, a more precise system is incorporated, coordinating information on feedback occurrence between both ears.

The potential in InterEar data exchange is to make the IE Feedback Cancelling more agile in handling acoustic feedback in situations where the acoustic property of the feedback signal resembles that of musical instruments. Available in all **CLEAR** models.

Phone+
– more convenience
The Phone+ feature allows users to receive both mobile and landline phone calls directly to both hearing aids. Using WidexLink, Phone+ transmits signals wirelessly, improving the audibility of phone conversations. Available in **CLEAR330** and **CLEAR440** models.

TruSound Softener
– comfort through intelligence
Transient short and abrupt noises like clinking china or slamming doors have an unfortunate sound impact for hearing aid users. That's why the processing of these sounds must be instantaneous and intelligent to ensure comfort and maintain natural sound quality.

The TruSound Softener does just that by using a steep gradient detector and a swift forewarning algorithm. It detects these transient sounds and softens them to remove any chance of discomfort. Available in **CLEAR330** and **CLEAR440** models.



TruSound Softener: The graphic shows the integration of the TruSound Softener in the signal pathway.

THREE **LEVELS** OF TECHNOLOGY AND BENEFITS

CLEAR 440 • 330 • 220

WIDEX **CLEAR** models utilize next generation signal processing, giving users a natural sound experience that is comfortable and understandable. And with three available feature levels, **CLEAR** is well-suited to all your patients' needs. Additional features include:

InterEar
Until recently it has been difficult to reap the benefits of natural sound in two hearing aids linked together. The Widex solution is the unique InterEar (IE) ensuring both their coordination and synchronization. IE also makes the hearing aids communicate with each other 21 times a second, resulting in instantaneous, natural sound in both. Available in all **CLEAR** models.

IE Volume Control and Program Shift – instant synchronization
This keeps a pair of **CLEAR** hearing aids in sync. A changed volume level in one aid is replicated in the second, as is program selection. Available in all **CLEAR** models.

IE ZEN – for relaxation
(optional in all **CLEAR220** models)
Our popular ZEN harmonic sound program has been enhanced. Sound generation is distributed between the hearing aids (InterEar) with some instruments playing in one ear and different instruments in the other – a form of ZEN synchronized stereo sound.

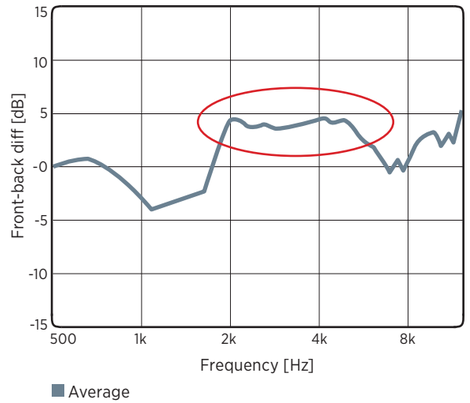
A clinical study has shown that the ZEN Program is a promising sound therapy tool for tinnitus management.

IE Speech Enhancer
Normal-hearing listeners have the ability to focus on and hear a speaker in a noisy environment. With a hearing loss, this ability is often compromised.

This problem is helped with **CLEAR440** hearing aids. Guided by the user's own hearing loss, Speech Enhancer reduces background sounds and boosts speech sound to make it more audible and improve speech intelligibility in noisy environments.

Digital Pinna – helps locate sound from any direction
BTE hearing aids disturb the natural pinna effect of the outer ear. Sounds reaching the ear from the front or back may be perceived as coming from the same direction.

The HD Locator in **CLEAR330** and **CLEAR440** comprises a Digital Pinna that emulates the shadow effect of the human pinna (outer ear) and helps users to locate a sound source.



Digital Pinna
The average effect of the pinna favors sound coming from the front by 3-4dB relative to sound coming from the back.

DEX ASSISTIVE
LISTENING DEVICES

Personalize your patients' experience

WIDEX **CLEAR** comes with our unique DEX™ assistive listening devices, designed for complete wireless communication now and in the future.

M-DEX – a user-friendly and stylish unit for mobile phone applications with caller ID. The integrated microphone makes it possible to use it as a handheld, remote talk-and-listen device utilizing the hearing aids as wireless headsets.

TV-DEX – palm-sized, easy-to-use and designed for enjoying TV and audio systems. The WidexLink transmission provides up to 10 hours of uninterrupted, top quality TV or stereo sound between recharges and no audio delay.

RC-DEX – a stylish, compact and user-friendly hearing aid remote control. It offers three intuitive buttons for volume control and program selection.

	Features	Range	Battery
M-DEX	Direct wireless connection to mobile phone via Bluetooth, advanced hearing aid remote control with color display and caller ID, integrated telecoil, Room Off feature	30 cm (mouth to M-DEX microphone), up to 1 m (M-DEX to hearing aid), 10 m (M-DEX to mobile phone)	Approximately 5 hours constant use, recharges like a mobile phone using a wall plug
RC-DEX	Program toggle, volume control, key ring attachment	1 m (remote control to hearing aid)	12 months battery life, replaceable by user
TV-DEX	High quality audio, ultra-low delay & EchoFree, inputs for both TV & audio systems	1 m (TV-Controller to hearing aid), 10 m (TV-Base to TV-Controller)	10 hours, rechargeable in the TV-Base

WIRELESS FITTING

Professional and precise

Professional fitting includes having the right tools to meet the fine-tuning needs of the patient.

CLEAR extends Widex' renowned excellence in precision fitting by utilizing completely wireless electronics. WidexLink technology means no more cables and connectors and an assured fit from the outset. It is convenient, easy and intuitive to use, giving you more time to focus on attaining the best possible fit for the patient.

Widex has adapted the industry standards (nEARcom and NOAHlink) to provide the ultimate security in wireless fitting situations. And if NOAHlink is not used, flexibility is increased with the option of a USB Link.

Dedicated new software tools – offer an expanded fine-tuning matrix in the gain settings panel. It allows you to better meet users' needs and provides improved interaction during fitting and fine tuning. It also features a global acclimatization function for the comfort of first time users.

More control in-situ – precise mapping and correcting for subtle, individual differences in the outer ear are all performed with the hearing aid in-situ.

Sensogram – utilizes in-situ audiometry taking into account the individual characteristics of the ear canal and the hearing aid.

Widex feedback test - provides an evaluation of the fit and/or sealing of the earmold and initializes the active feedback cancellation algorithm. AISA uses the feedback test to estimate objectively the acoustic influence of the user's vent and leaks around the earmold during the fitting of a hearing aid.

There has never been an easier way to fit a hearing aid.

COLORS & MODELS

CLEAR comes in a range of models and colors to match individual needs

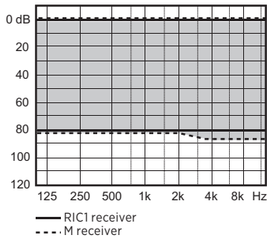
Standard colors	C4-PA, C3-PA, C2-PA		C4-FS, C3-FS, C2-FS		C4-*m*, C3-*m*, C2-*m*		C4-9, C3-9, C2-9
	Top Housing Color	Bottom Housing Color	Top Housing Color	Bottom Housing Color	Top Housing Color	Bottom Housing Color	Full Housing Color
Warm beige (021)		Grey		Brown		Brown	
Tan silk (081)		Grey		Brown		Brown	
Cappuccino brown (071)		Grey		Brown		Brown	
Midnight black (074)		Grey		Charcoal grey		Charcoal grey	
Titan grey (073)		Grey		Charcoal grey		Charcoal grey	
Winter silver (072)		Grey		Charcoal grey		Charcoal grey	

Additional colors	C4-PA, C3-PA, C2-PA		C4-FS, C3-FS, C2-FS	
	Top Housing Color	Bottom Housing Color	Top Housing Color	Bottom Housing Color
Summer gold (069)		Grey		Brown
Copper brown (070)		Grey		Brown
Pearl white (068)		White		White
Metallic blue (090)		White		White
Shocking pink (077)		White		White
Lime green (075)		White		White
Sporty red (076)		White		White
Mediterranean turquoise (078)		White		White

PASSION BTE

CLEAR440 C4-PA, CLEAR330 C3-PA, CLEAR220 C2-PA

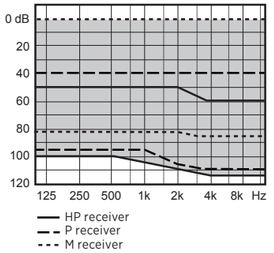
- RIC (Receiver-In-Canal) model
- Recommended for mild to moderately severe hearing losses
- Extremely discreet, elegant and ultra small hearing aid, which integrates aesthetics and performance in one compact unit
- 10 battery



FUSION BTE

CLEAR440 C4-FS, CLEAR330 C3-FS, CLEAR220 C2-FS

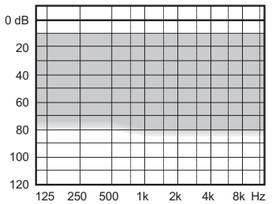
- Receiver-In-Canal (RIC)/Receiver-In-The-Ear (RITE) model
- For mild to profound hearing loss
- Discreet and elegant design with great flexibility through a range of different receivers and ear-tips/custom ear mold options
- 312 battery



***m* BTE**

CLEAR440 C4-*m*/CLEAR440 C4-*m*-CB, CLEAR330 C3-*m*/CLEAR330 C3-*m*-CB, CLEAR220 C2-*m*/CLEAR220 C2-*m*-CB

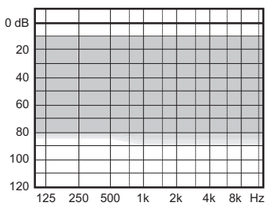
- Micro BTE (Behind-The-Ear) model
- Recommended for mild to moderately severe hearing loss
- Superb sound quality across the frequency range
- 10 battery



9 BTE

CLEAR440 C4-9, CLEAR330 C3-9, CLEAR220 C2-9

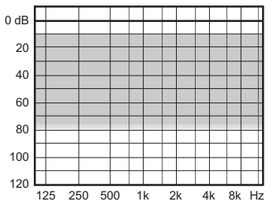
- BTE (Behind-The-Ear) model
- Recommended for mild to severe hearing loss
- Compact design that delivers sound through instant ear-tip as well as custom earmolds
- 13 battery



FULL CONCHA, HALF CONCHA, CANAL

CLEAR440 C4-XP, CLEAR330 C3-XP, CLEAR220 C2-XP

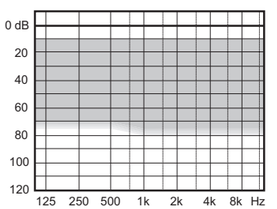
- ITE (In-The-Ear) model
- Recommended for mild to moderately severe hearing loss
- Fits discreetly in the ear or ear canal
- 312 battery



COMPLETELY-IN-CANAL

CLEAR440 C4-CIC, CLEAR330 C3-CIC, CLEAR220 C2-CIC

- CIC (Completely-In-the-Canal) model
- Recommended for mild to moderately severe hearing loss
- Placed in the ear canal and is virtually invisible
- 10 battery



A FULL **WORLD OF SOUND**

WIDEX **CLEAR** hearing aids are available in a wide range of models to suit the individual needs of each patient.

CLEAR440 MODELS & FEATURES

		C4-PA	C4-FS	C4-m	C4-m-CB	C4-9	C4-XP	C4-CIC
System platform								
C-ISP platform		•	•	•	•	•	•	•
WidexLink		•	•	•	•	•	•	•
InterEar (IE)	Feature coordination	•	•	•	•	•	•	•
	System synchronization	•	•	•	•	•	•	•
Partner monitor		•	•	•	•	•	•	•
EcoTech III		•	•	•	•	•	•	•
Bands/Channels								
15 analysis bands		•	•	•	•	•	•	•
15 processing channels		•	•	•	•	•	•	•
Signal processing								
Compression	EDRC	•	•	•	•	•	•	•
	TruSound Compression	•	•	•	•	•	•	•
	TruSound Softener	•	•	•	•	•	•	•
Adaptive directionality	HD Locator	•	•	•	•	•	•	-
	Digital Pinna	•	•	•	•	•	-	-
	FreeFocus	•	•	•	•	•	•	-
Noise reduction	IE Speech Enhancer SII	•	•	•	•	•	•	•
	Widex Classic NR	•	•	•	•	•	•	•
	Wind noise control	•	•	•	•	•	•	-
Feedback Cancelling	IE Feedback Cancelling	•	•	•	•	•	•	•
Frequency transposition	Audibility Extender	•	•	•	•	•	•	•
Enhanced sound quality	3D TruSound	•	•	•	•	•	•	•
	ClearBand	-	-	-	•	-	-	-
	70 Hz - 11.2 kHz *	•	•	•	•	•	•	•
User feedback and control								
Acoustic indicators	SmartSpeak	•	•	•	•	•	•	•
	SmartTone	•	•	•	•	•	•	•
	IE Partner Alarm	•	•	•	•	•	•	•
	Battery alarm	•	•	•	•	•	•	•
LED		•	•	•	•	-	-	-
IE volume control		RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
IE program shift		RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
Selected inputs								
IE ZEN		•	•	•	•	•	•	•
IE ZEN timer		•	•	•	•	•	•	•
Audio transmission								
WidexLink audio transmission		•	•	•	•	•	•	•
Telecoil		-	•	-	-	•	•	-
DAI		-	-	-	-	•	-	-
Listening programs								
Acoustic program options		5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX	5 + ZEN+ with RC-/M-DEX
Phone+ **		-	•	-	-	•	-	-
Accessories								
RC-DEX, M-DEX and TV-DEX		•	•	•	•	•	•	•

* Frequency range is model dependent
** Choose between Phone+ or ZEN+

CLEAR330 MODELS & FEATURES

		C3-PA	C3-FS	C3-m	C3-m-CB	C3-9	C3-XP	C3-CIC
System platform								
C-ISP platform		•	•	•	•	•	•	•
WidexLink		•	•	•	•	•	•	•
InterEar (IE)	Feature coordination	•	•	•	•	•	•	•
	System synchronization	•	•	•	•	•	•	•
	Partner monitor	•	•	•	•	•	•	•
EcoTech III		•	•	•	•	•	•	•
Bands/Channels								
10 analysis bands		•	•	•	•	•	•	•
10 processing channels		•	•	•	•	•	•	•
Signal processing								
Compression	EDRC	•	•	•	•	•	•	•
	TruSound Compression	•	•	•	•	•	•	•
	TruSound Softener	•	•	•	•	•	•	•
Adaptive directionality	HD Locator	•	•	•	•	•	•	-
	Digital Pinna	•	•	•	•	•	-	-
	FreeFocus	•	•	•	•	•	•	-
Noise reduction	Speech Enhancer (SII)	•	•	•	•	•	•	•
	Widex Classic NR	•	•	•	•	•	•	•
Feedback Cancelling	IE Feedback Cancelling	•	•	•	•	•	•	•
Frequency transposition	Audibility Extender	•	•	•	•	•	•	•
Enhanced sound quality	ClearBand	-	-	-	•	-	-	-
	70 Hz - 11.2 kHz *	•	•	•	•	•	•	•
User feedback and control								
Acoustic indicators	SmartSpeak	•	•	•	•	•	•	•
	SmartTone	•	•	•	•	•	•	•
	Battery alarm	•	•	•	•	•	•	•
LED		•	•	•	•	-	-	-
IE volume control		RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
IE program shift		RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
Selected inputs								
IE ZEN		•	•	•	•	•	•	•
IE ZEN timer		•	•	•	•	•	•	•
Audio transmission								
WidexLink audio transmission		•	•	•	•	•	•	•
Telecoil		-	•	-	-	•	•	-
DAI		-	-	-	-	•	-	-
Listening programs								
Acoustic program options		4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX	4 & ZEN+ with RC-/M-DEX
Phone+**		-	•	-	-	•	-	-
Accessories								
RC-DEX, M-DEX and TV-DEX		•	•	•	•	•	•	•

* Frequency range is model dependent
** Choose between Phone+ or ZEN+

CLEAR220 MODELS & FEATURES

		C2-PA	C2-FS	C2-*m*	C2-*m*-CB	C2-9	C2-XP	C2-CIC
System platform								
C-ISP platform		•	•	•	•	•	•	•
WidexLink		•	•	•	•	•	•	•
InterEar (IE)	Feature coordination	•	•	•	•	•	•	•
	System synchronization	•	•	•	•	•	•	•
EcoTech III		•	•	•	•	•	•	•
Bands/Channels								
5 analysis bands		•	•	•	•	•	•	•
5 processing channels		•	•	•	•	•	•	•
Signal processing								
Compression	EDRC	•	•	•	•	•	•	•
	TruSound Compression	•	•	•	•	•	•	•
Adaptive directionality	HD Locator	•	•	•	•	•	•	-
Noise reduction	Noise reduction with SIS	•	•	•	•	•	•	•
Feedback Cancelling	IE Feedback Cancelling	•	•	•	•	•	•	•
Frequency transposition	Audibility Extender	•	•	•	•	•	•	•
Enhanced sound quality	ClearBand	-	-	-	•	-	-	-
	70 Hz - 11.2 kHz*	•	•	•	•	•	•	•
User feedback and control								
Acoustic indicators	SmartSpeak	•	•	•	•	•	•	•
	SmartTone	•	•	•	•	•	•	•
	Battery alarm	•	•	•	•	•	•	•
LED		•	•	•	•	-	-	-
IE volume control		RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
IE program shift		RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX	•/RC-/M-DEX	RC-/M-DEX	RC-/M-DEX
Selected inputs								
IE ZEN**		•	•	•	•	•	•	•
IE ZEN timer**		•	•	•	•	•	•	•
Audio transmission								
WidexLink audio transmission		•	•	•	•	•	•	•
Telecoil		-	•	-	-	•	•	-
DAI		-	-	-	-	•	-	-
Listening programs								
Acoustic program options		3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX	3 & ZEN+ with RC-/M-DEX
Accessories								
RC-DEX, TV-DEX and M-DEX		•	•	•	•	•	•	•

* Frequency range is model dependent
** Optional

IT IS OUR MISSION, THROUGH
ORIGINALITY, PERSEVERANCE AND **RELIABILITY,**
TO DEVELOP **HIGH QUALITY HEARING AIDS**
THAT GIVE PEOPLE WITH A HEARING LOSS THE SAME
OPPORTUNITIES FOR COMMUNICATION AS THOSE
WITH NORMAL HEARING

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WIDEX®
HIGH DEFINITION HEARING

DBR72/0911

Indications for Use: The ZEN Program is intended to provide a relaxing sound background for adults (21 years and older) who desire to listen to such a background in quiet. It may be used as a sound therapy tool in a tinnitus treatment program that is prescribed by a licensed hearing healthcare professional (audiologists, hearing aid specialists, otolaryngologists) who is trained in tinnitus management.